



# PISCES

## Public Infrastructure Security Cyber Education System (PISCES)

Today, cybersecurity issues represent one of the fastest growing threats to businesses, communities, and government. The need for qualified professionals is one reason for the 33 percent expected growth between 2020 and 2030 for information security analysts. Despite the rapidly growing career options, there is a shortage of qualified professionals to fill the current and future roles available in cybersecurity. An additional challenge for many smaller communities beyond finding qualified cybersecurity

professionals is the reality of limited resources and support dedicated to actively monitoring cybersecurity issues.

**PISCES** is a nonprofit organization dedicated to developing the future cybersecurity workforce through an innovative model that creates collaboration with the private sector, colleges/universities, and local governments to provide a no-cost cybersecurity monitoring effort for small public organizations.



PARTICIPATING  
EDUCATIONAL  
INSTITUTIONS



PARTICIPATING  
COMMUNITIES



STUDENTS  
ENROLLED  
PER QUARTER



STUDENTS  
COMPLETED  
THE PROGRAM

## How Does it Work?

One of the greatest needs for students studying cybersecurity is the opportunity to have hands-on experience in cybersecurity threat monitoring and management. **PISCES** is bringing together small communities that would benefit from a no-cost cybersecurity option and students who are actively training in cybersecurity through a supervised, entry-level cyber analysis curriculum.

Partners in the public sector with 150 employees or fewer are able to gain access to cybersecurity event monitoring by sharing anonymized information used in the cyber analysis course. Students use this anonymous information to monitor and evaluate cybersecurity threats for the organization. Partners benefit as our team and **PISCES** students work to drive proactive mitigation of identified security threats and monitor potential cybersecurity threats for the organization—all at no-cost. This is one way we're working to bolster cybersecurity throughout the nation in small communities.

**PISCES** also directly supports the development of a future, qualified cybersecurity workforce through our partnership with academic institutions that provide the course for students. Working with leading cybersecurity professionals and academic faculty, students learn the fundamentals of a security operations center and the infrastructure and daily operations it requires, how to engage in threat hunting and incident response, and how to use real data to evaluate risk.

# What is PISCES?



Small communities cannot afford professional cybersecurity analysts.



Students need operational experience to succeed in the cybersecurity workforce.



Universities need structured curriculum and data sharing agreements to provide hands-on learning experiences.



Educational institutions train students as a cyber analyst while providing cybersecurity monitoring for small communities.



Anomalies are passed through a community liaison, to all communities and to the state fusion center.



## Learn About Becoming a Partner

If you'd like to learn more details on our partner requirements, please visit the "Our Partners" section on [piscses-intl.org](https://piscses-intl.org) to learn about particular requirements and in-depth details about this program.

When you're ready to become a partner, we're here to connect with you! Whether you're an academic institution looking to help equip your students to be leaders in the future of cyber security, or a public sector organization that would benefit from collaboration, our team can talk with you about all the details of this partnership. Simply fill out the *Contact Us* form on our website, or email:

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